

Single Stock Fund Middleware

Version Description Document



Implementation Release

MWN-701-1

31 January 2007

Prepared by:

Program Manager, SSF

AT&T Government Solutions

1900 Gallows Road
Vienna, VA 22182

**Contract: W909MY-06-F-0022
CDRL A0012**

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1. SCOPE

1.1 Identification

This is the AT&T Government Solutions *Version Description Document (VDD)* for the Single Stock Fund (SSF) .NET (MWN) Middleware (MW) Implementation Release MWN-701-1. The SSF MWN MW is an unclassified software product designed for the Microsoft Windows 2003 architecture and composed of commercial off-the-shelf (COTS) software and developed Middleware software.

1.2 System Summary

Single Stock Fund MW is a software and hardware platform that allows legacy Army wholesale and retail automated data processing systems to interact within an integrated architecture.

1.3 Document Overview

This Version Description Document contains information specific to the changes incorporated in this SSF MW release:

- **Section 1** provides the system release identification, a summary of the Middleware system, and an overview of this document
- **Section 2** records the inventory, distribution method, and incorporated changes contained in this release
- **Section 3** details the installation instructions and post-installation verification checklists
- **Section 4** describes new functionality and known issues specific to this release, receipt notification information, and a list of reference documents

2. VERSION DESCRIPTION

2.1 Inventory of Materials Released

The software and instructions contained in this release have been validated and approved for implementation by the SSF Middleware Test Manager.

- MWN-701-1.zip: Implementation Release archive dated 31 January 2007
- MWN-701-1.pdf: Version Description Document dated 31 January 2007

2.2 Version List of SSF Middleware Software Items

The Middleware Implementation Release archive contains the following software items (as listed with new version and time/date stamp information):

003.000.010.31165	01-29-2007 17:20:32.993	CTASCIO.exe
---.---.---.---	01-29-2007 17:20:32.953	CTASCIO.pdb
003.000.010.31077	01-29-2007 17:16:08.172	DACProc.exe
---.---.---.---	01-29-2007 17:16:08.142	DACProc.pdb
003.000.010.31063	01-29-2007 17:15:30.317	F91Proc.exe
---.---.---.---	01-29-2007 17:15:30.277	F91Proc.pdb
003.000.010.23025	01-31-2007 12:58:30.008	MWProc.dll
---.---.---.---	01-31-2007 12:58:29.957	MWProc.pdb

2.3 Distribution of Release

This Implementation Release will be provided directly to applicable sites by the Middleware Operations Manager. Both the zip and VDD (in PDF format) are available for this release.

2.4 Change Requests (CRs)

This release implements fixes for the following SSF Middleware CCB-approved Change Requests (related Problem Reports (PR) or Trouble Tickets (TT) noted if applicable).

- | | | |
|--------|--------|--------|
| • 2691 | • 2720 | • 2770 |
| • 2714 | • 2721 | |
| • 2715 | • 2722 | |

<u>CR #</u>	<u>MS</u>	<u>Related PR/TT</u>	<u>Status</u>	<u>Release ID</u>	<u>Release Date</u>
2691	MWN	FCIP 1.4	RELEASED	MWN-701-1	30-Jan-07
<u>Title:</u> MW ZZ: Update the SSF DODAAC Table from SARSS AJUF91 and pass to FC in MW ZZ					
CR Class: 1: New Requirement					
SME: B. Amos		Fast Track Date:			
Opened: 10/20/06		Priority: 2		Comment:	
Description:					
MW needs to have the latest data from SARSS on any DODAAC changes. Logistics and resource Managers change data that is necessary in logistics processing and FC processing and this data is needed to ensure that correct processing is implemented.					
Justification:					
MW is posting incorrect data to the SSFDODAAC table with a purpose code of F91Add. This could potentially cause output transactions to have the wrong fund code assigned since this purpose code is not in the fund code table.					
Resolution:					
F91Proc has been changed to accept only transaction sets that consist of a TA transaction and supporting YE transactions. When TAs are received without YEs the dodaac information is incomplete and cannot be accurately loaded in the SSFDODAAC table. TA transactions must have at least one corresponding YE transaction to consider the set complete.					

<u>CR #</u>	<u>MS</u>	<u>Related PR/TT</u>	<u>Status</u>	<u>Release ID</u>	<u>Release Date</u>
2714	MWN	Per M. Chevenka	RELEASED	MWN-701-1	30-Jan-07
<u>Title:</u> MW ZZ: Update the SSF DODAAC Table for selected DICs in MW ZZ					
CR Class: 3: Optimization					
SME: B Amos		Fast Track Date:			
Opened: 11/02/06		Priority: 2		Comment:	
Description:					
MWN and Funds Control needs to have the latest data from SARSS on any DODAAC changes. Resource Managers change fin_wrk_cntr and this information is necessary in FC to ensure a FADR is built if not there already and if there, when the customer submits a request (obligation), it is decremented from the correct funds.					
MW will receive a new input file from SARSS 2AC/B called the AJUF91. This file will/can contain numerous DICs associated with adding, changing or deleting DODAACs on the CTASC, to include customers, SARSS-1, wholesale, and OMA DS/RX SARSS-1s. MW needs to update the MW SSF DODAAC table and pass the corresponding relevant data to FC. Transaction DIC(s) are: TA1, TA3, TA4, YE5, YE6, YE7, YE8, YE9, and YEA. They are 91 Characters in length.					
Justification:					
The Resource Manager needs the most current data available to make financial decisions which would include the FAS/FPC data element and fin_wrk_cnt when it comes to obligating money or receiving credit.					
Resolution:					
F91Proc has been changed to accept only transaction sets that consist of a TA transaction and supporting YE transactions. When TAs are received without YEs the dodaac information is incomplete and cannot be accurately loaded in the SSFDODAAC table. TA transactions must have at least one corresponding YE transaction to consider the set complete.					

<u>CR #</u>	<u>MS</u>	<u>Related PR/TT</u>	<u>Status</u>	<u>Release ID</u>	<u>Release Date</u>
2715	MWN	NA (Per results from test runs)	RELEASED	MWN-701-1	30-Jan-07

Title: MW ZZ: Run the 'cleanup routine' during the DACProc Interactive process in MW ZZ

CR Class: 2: Defect Correction

SME: B. Amos

Fast Track Date:

Opened: 11/10/06

Priority: 2

Comment:

Description:

MW updates or adds a DODAAC to the SSFDODAAC table and the Description field is edited or changed.

When MW processes the interactive update from SARSS (F91) for an add or change and a special character is found in the “Description” field, an aborts occurs. Example of this type of character is a single quote '. Other characters may also cause this to happen.

Justification:

Transactions that may be edited against the SSFDODAAC table may not be processed correctly if DODAC is not added or a data element needed for an edit is not posted

Resolution:

Additional functionality has been added to DACProc and F91Proc to not allow single quote characters in the description field for a DODAAC. Single quotes cause problems within the SQL parser for inserts and selects. The description field could also have been set to a NULL value from the DACProc when the description is not entered on the CTASC when a new dodaac is added. This condition could cause aborts in subsequent processing modules when the description is accessed, DACProc now prevents NULL description fields in the DODAAC table without causing a DACProc abort.

<u>CR #</u>	<u>MS</u>	<u>Related PR/TT</u>	<u>Status</u>	<u>Release ID</u>	<u>Release Date</u>
2720	MWN	Fogbugz case 2779	RELEASED	MWN-701-1	30-Jan-07
<u>Title:</u> MW 1: Determine the correct supplementary address for a Pure OMA SARSS-1 in MW 1					
CR Class: 2: Defect Correction					
SME: B. Amos		Fast Track Date:			
Opened: 12/19/06		Priority: 2		Comment:	
Description:					
Pure OMA SARSS-1 A0_s are erroring out in FCM because MW is defaulting the SARSS-2A RIC DODAAC in RP 45-50 of A0_, AT_, and AM_s with "DM" in RP 72-73. (These transactions were not created before the incorporation of FC in SARSS SCP 37.)					
When MW processes an A0_, AT_ or AM_ image (DM or FD in RP 72-73) and if RP 30-35 is not equal to purpose code of AWCF and RP 45 does not equal a "W", MW defaults to DODAAC of spt_ric from SSF DODAAC table for DODAAC in RP 30-35 and overlays RP 40-45.					
Justification:					
The transaction are not being obligated in FCM and are being errored out.					
Resolution:					
Additional functionality has been added to the OSC, 080 and S9B processes to handle pure OMA transactions. The supplemental address is overlayed based on the type unit code, where prior to this release it would default to the 2B dodaac for all A0 and follow up transactions. Pure OMA transactions are blocked on the OSC output files and are no longer sent to CCSS/LMP					

<u>CR #</u>	<u>MS</u>	<u>Related PR/TT</u>	<u>Status</u>	<u>Release ID</u>	<u>Release Date</u>
2721	MWN	Fogbugz case 2779	RELEASED	MWN-701-1	30-Jan-07
<u>Title:</u> MW 32: Determine the correct supplementary address for a Pure OMA SARSS-1 in MW 32					
CR Class: 2: Defect Correction					
SME: B. Amos		Fast Track Date:			
Opened: 12/19/06		Priority: 2		Comment:	
Description:					
Pure OMA SARSS-1 A0_s are erroring out in FCM because MW is defaulting the SARSS-2A RIC DODAAC in RP 45-50 of A0_, AT_, and AM_s with "DM" in RP 72-73. (These transactions were not created before the incorporation of FC in SARSS SCP 37.)					
When MW processes an A0_, AT_ or AM_ image (DM or FD in RP 72-73) and if RP 30-35 is not equal to purpose code of AWCF and RP 45 does not equal a "W", MW defaults to DODAAC of spt_ric from SSF DODAAC table for DODAAC in RP 30-35 and overlays RP 40-45.					
Justification:					
The transaction are not being obligated in FCM and are being errored out.					
Resolution:					
Additional functionality has been added to the OSC, 080 and S9B processes to handle pure OMA transactions. The supplemental address is overlayed based on the type unit code, where prior to this release it would default to the 2B dodaac for all A0 and follow up transactions. Pure OMA transactions are blocked on the OSC output files and are no longer sent to CCSS/LMP					

<u>CR #</u>	<u>MS</u>	<u>Related PR/TT</u>	<u>Status</u>	<u>Release ID</u>	<u>Release Date</u>
2722	MWN	Test Results per B. Amos	RELEASED	MWN-701-1	30-Jan-07
Title: MW ZZ: Do Not delete specified TA4s in MW ZZ					
CR Class: 2: Defect Correction					
SME: B. Amos		Fast Track Date:			
Opened: 12/19/06		Priority: 2		Comment:	
Description: SARSS creates a TA4 transaction for a DODAAC when that DODAAC is to be deleted. MW is deleting those DODAAC based on the TA4.					
Justification: AWCF and WHSLE DODAACs are deleted only using the MW Masterlist. This is so that all MW systems will have the same AWCF and WHSLE loaded for processing correctly.					
Resolution: TA4s are no longer processed in F91Proc when the purpose is AWCF or WHSLE or the DODAAC is on the master list.					

<u>CR #</u>	<u>MS</u>	<u>Related PR/TT</u>	<u>Status</u>	<u>Release ID</u>	<u>Release Date</u>
2770	MWN		RELEASED	MWN-701-1	30-Jan-07
Title: CTASCIO locks up when generating DTG names for MW created files.					
CR Class: 2: Defect Correction					
SME:					
Fast Track Date: 1/30/2007 9:24:33AM					
Opened: 01/29/07					
Priority: 1					
Comment:					
Description:					
CTASCIO can locks up when generating multiple DTG names for MW created files on more than one thread.					
Justification:					
A CTASCIO lock ups cause the SAs to terminate CTASCIO from task manager, this could potential cause the MW to "Blue Screen".					
Resolution:					
Added code to synchronize locks when a more than one thread attempts to access the routine that queries the CTASC's time.					

3. INSTALLATION INFORMATION

Previously distributed SSF Middleware Implementation Release packages should be installed and reported as directed in Section 4.3 prior to installation of this release.

3.1 Installation Adaptation

There is no site-specific data associated with this release.

3.2 Pre-Installation Instruction Checklist

3.2.1 Copy your current SSF/BIN directory to a separate location on the D drive.

3.2.2 SCP Downloading Instructions

1. On Node 1 (Active Node), ensure the folder **D:\NewReleases** exists and is empty. If not, create the folder.
2. Download the current release from the FTP server (ftp://192.86.226.108/MWNReleases/MWN-701-1/) to your local desktop.
3. Copy the release from your desktop to **D:\NewReleases\MWN-701-1** folder on Node 1 (or whichever Node controls the resources). You may have to create this folder.

3.2.3 Extract MWN-701-1

1. Navigate to the **D:\NewReleases\MWN-701-1** folder. Extract the contents. Two additional folders will be created: Install & BIN

3.2.4 Overwrite BIN

1. Navigate to the **D:\NewReleases\MWN-701-1\BIN** folder. Copy all files from the **D:\NewReleases\MWN-701-1\BIN** folder to the **X:\SSF\BIN** directory.
2. When prompt to overwrite, select YES or YES TO ALL.

3.2.5 Run SQL Scripts

1. Start Query Analyzer. Open **D:\NewReleases\MWN-701-1\INSTALL\MWN-701-1-SSF.sql**. Select the SSF database from the drop down menu.
2. Run the query.

3.3 Post-Installation Instruction Checklist

3.3.1 MWN-701-1 Middleware Baseline Files

003.000.010.24935	10-05-2006 13:52:08.000 ABFProc.exe
---,---,---,---	10-05-2006 13:52:06.000 ABFProc.pdb

007.010.3077.0000	03-19-2003 04:49:54.000 adodb.dll
003.010.000.0000	10-05-2006 15:23:36.000 ANZProc.exe
003.000.010.25048	10-05-2006 13:54:58.000 AWGProc.exe
----	10-05-2006 13:54:58.000 AWGProc.pdb
----	08-04-2006 20:54:20.906 bkpjobs
003.000.010.25080	10-05-2006 13:56:02.000 CATProc.exe
----	10-05-2006 13:56:02.000 CATProc.pdb
003.000.010.31165	01-29-2007 17:20:00.000 CTASCIO.exe
----	01-29-2007 17:20:00.000 CTASCIO.pdb
2000.080.760.0000	12-17-2002 16:23:52.000 custtask.dll
003.000.010.31077	01-29-2007 17:16:00.000 DACProc.exe
----	01-29-2007 17:16:00.000 DACProc.pdb
003.000.2413.28962	08-10-2006 16:10:20.000 Disconnect.exe
----	08-10-2006 16:10:20.000 Disconnect.pdb
----	08-14-2006 15:16:12.500 DNR Files
----	02-16-2006 16:29:00.000 dnupdate.reg
2000.080.760.0000	12-17-2002 16:23:58.000 dtspkg.dll
2000.080.760.0000	12-17-2002 16:23:58.000 dtspump.dll
003.000.010.25160	10-05-2006 13:58:42.000 F09Proc.exe
----	10-05-2006 13:58:42.000 F09Proc.pdb
003.000.010.31063	01-29-2007 17:15:00.000 F91Proc.exe
----	01-29-2007 17:15:00.000 F91Proc.pdb
003.000.010.25298	10-05-2006 14:03:18.000 FCMPProc.exe
----	10-05-2006 14:03:18.000 FCMPProc.pdb
003.000.010.25318	10-05-2006 14:03:58.000 FEDProc.exe
----	10-05-2006 14:03:58.000 FEDProc.pdb
003.000.010.26323	12-04-2006 14:39:18.000 FTPOut.exe
----	12-04-2006 14:39:18.000 FTPOut.pdb
003.000.010.23193	12-01-2006 13:12:00.000 FTPProc.exe
----	12-01-2006 13:12:00.000 FTPProc.pdb
003.000.010.25382	10-05-2006 14:06:08.000 HSTProc.exe
----	10-05-2006 14:06:08.000 HSTProc.pdb
002.000.000.0000	12-17-2002 16:23:58.000 Interop.DTS.dll
001.000.000.0000	12-17-2002 16:23:52.000 Interop.DTSCustTasks.dll
002.000.000.0000	12-17-2002 16:23:58.000 Interop.DTSPump.dll
007.000.9466.0000	06-12-2003 17:41:22.000 Microsoft.StdFormat.dll
007.010.3077.0000	03-19-2003 04:53:22.000 Microsoft.VisualBasic.Compatibility.Data.dll
007.010.3077.0000	03-19-2003 04:53:24.000 Microsoft.VisualBasic.Compatibility.dll
007.000.9466.0000	06-12-2003 17:41:22.000 MSDATASRC.dll
003.000.010.25400	10-05-2006 14:06:54.000 MWFCM.dll
----	10-05-2006 14:06:54.000 MWFCM.pdb
003.000.010.23025	01-31-2007 12:06:13.281 MWProc.dll
----	01-31-2007 12:06:28.765 MWProc.pdb
000.000.000.0001	01-12-2006 11:11:58.000 NZipLib.dll
003.000.010.27314	10-05-2006 15:10:32.000 O80Proc.exe
----	10-05-2006 15:10:32.000 O80Proc.pdb
003.000.010.27329	10-05-2006 15:11:02.000 OMAProc.exe
----	10-05-2006 15:11:02.000 OMAProc.pdb
003.000.010.27342	10-05-2006 15:11:28.000 OSCProc.exe
----	10-05-2006 15:11:28.000 OSCProc.pdb
----	01-31-2007 12:47:59.937 Post-MWN-701-1.txt
003.000.010.27379	10-05-2006 15:13:36.000 PrjProc.exe
----	10-05-2006 15:13:36.000 PrjProc.pdb
003.000.010.26383	12-04-2006 14:39:36.000 ProcPanel.dll
----	12-04-2006 14:39:36.000 ProcPanel.pdb

003.000.2413.24825	08-10-2006 13:52:40.000 Reconnect.exe
---,---,---,---	08-10-2006 13:52:40.000 Reconnect.pdb
003.000.010.27438	10-05-2006 15:14:38.000 S9BProc.exe
---,---,---,---	10-05-2006 15:14:38.000 S9BProc.pdb
003.000.010.26385	12-04-2006 14:39:36.000 Scheduler.exe
---,---,---,---	12-28-2005 15:00:16.000 Scheduler.exe.manifest
---,---,---,---	12-04-2006 14:39:36.000 Scheduler.pdb
---,---,---,---	12-19-2002 15:44:00.000 SSFVer.exe
007.000.9466.0000	06-12-2003 17:29:02.000 stdole.dll

3.3.2 Post Installation Audit Checklist

Follow the instructions below to audit the installation of this release:

1. Open an MS-DOS window
2. Set the current working directory to X:\SSF\bin
3. Enter: “ssfver -d” to display a version listing of executables in the current directory
4. Verify that the MW proc version numbers listed by the ‘ssfver’ command are identical to those listed in Section 2.2
5. Run the SPLLevel.bat program and email the results to Chuck Sears per Section 4.3.

3.4 Additional Instructions

There are no additional instructions.

4. NOTES

4.1 New Functionality

This release does not contain new functionality requiring Systems Administration interaction. New Middleware transactional processing functionality is described in Section 2.4.

4.2 Known Issues and Workarounds

There are no known issues or workarounds associated with this release.

4.3 Implementation Notification

Implementation of this release must be reported via the Middleware Tracking website (<http://192.86.226.111/portal/login.asp>) and e-mail (*) to the following:

Mr. Robert Spee
Middleware Operations Manager
Robert.Spee@us.army.mil
1. 256.955.9980

Mr. Joe Turner
Configuration Manager
jturner@grci.com
1.703.506.5282

To report this release on the Middleware Tracking site do the following:

1. Login
2. From the top menu select **Reports/SCPs/Enter SCP**
3. Enter the SCP number and Implementation date
4. Note any installation problems issues in the **Implementation Issues** area
5. After updating the SCP information check Submit.
6. You will be prompted for a new SPL level file for each Node. Copy and paste your new SPL level files in the area provided and click **Submit**

(*) If e-mail capability is unavailable, please make implementation notifications using the above telephone numbers. Include the following information:

1. Middleware Release Implemented
2. Implementation Date
3. Implementation Site Name
4. Address
5. Telephone
6. Implementation Point of Contact Name
7. Telephone

8. E-mail address
9. Implementation Issues

4.4 Reference Documents

The following AT&T Government Solutions documents provide further explanation of the SSF Middleware system:

- SSF Middleware End Users Manual (EUM)
- SSF Middleware Detailed Functional Descriptions (DFD)

Contact the SSF Middleware Site Operations Manager (see 4.3) for information on these documents.